Amendment to the Claims:

This listing of claims will replace all previous versions, and listings, of claims in this application.

Listing of Claims:

Claims 1 - 57 (cancelled).

Claim 58 (currently amended)

A compound according to claim 57, wherein of formula 1.

wherein

NRR is attached at the 5- or 6-position of the furopyridine ring;

R is hydrogen, C1-C4 alkyl, or COR2;

R1 is -CH2CH=CHAr

<u>n is 0 to 3;</u>

_____Λ is N;

Ar is a 5- or 6-membered aromatic or heteroaromatic ring which contains zero to four nitrogen atoms, zero to one oxygen atoms, and zero to one sulfur atoms which aromatic or heteroaromatic ring is optionally substituted with one to two substitutents independently selected.

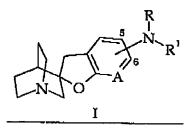
from: halogen, trifluoromethyl, or C1-C4alkyl;

R² is hydrogen, C₁-C₄alkyl; C₁-C₄alkoxy; or a phenyl ring optionally substituted with one to three of the following substituents: halogen, C₁-C₄alkyl, C₂-C₄alkenyl, C₂-C₄alkynyl, OII, -OC₁-C₄alkyl, -CO₂R⁵, -CN, -NO₂, -NR³R⁴, or -CF₃;

R ³ . R ¹ and R ⁵ are independently hydrogen; C ₁ -C ₄ alkyl; or a phenyl ring optionally
substituted with one to three of the following substituent; halogen, C1-C4alkyl, C2-C4alkenyl,
C2-C4alkynyl, -OII, -OC1-C4alkyl, -CN, -NO2, or -CF3;
or an enantioner thereof, or a pharmaceutically acceptable salt thereof.

Claim 59 (currently amended)

A compound according to claim 57, wherein of formula I,



<u>wherein</u>
NRR ¹ is attached at the 5- or 6-position of the furopyridine ring;
R is hydrogen, C ₁ -C ₄ alkyl, or COR ² ;
R¹ is -CH₂CH⊐CHAr
<u>n is 0 to 3;</u>
A is N;

Ar is a 5- or 6-membered aromatic or heteroaromatic ring which contains zero to four nitrogen atoms, zero to one oxygen atoms, and zero to one sulfur atoms which aromatic or heteroaromatic ring is optionally substituted with one to two substitutents independently selected from; halogen, trifluoromethyl, or C₁-C₄alkyl;

R² is hydrogen, C₁:C₁alkyl; C₁-C₄alkoxy; or a phonyl ring optionally substituted with one to three of the following substituents: halogen, C₁-C₄alkyl, C₂-C₄alkynyl, C₂-C₄alkynyl, OH, -OC₁-C₄alkyl, -CO₂R⁵, -CN, -NO₂, -NR³R⁴, or -CF₃;

 R^3 , R^4 and R^5 are independently hydrogen; C_1 - C_4 alkyl; or a phenyl ring optionally substituted with one to three of the following substituent: halogen, C_1 - C_4 alkyl, C_2 - C_4 alkenyl, C_2 - C_4 alkynyl, -OII, - OC_1 - C_4 alkyl, -CN, - NO_2 , or - CF_3 :

or an enantiomer thereof, or a pharmaceutically acceptable salt thereof.

Claim 60 (cancelled)

Claim 61 (currently amended) A compound selected from according to claim 57, said-compound being:

- R-(-)-5'-(2-pyridylmethyl)aminospiro[1-azabicyclo[2.2.2]octane-3,2'-(3'H)-furo[2,3-b]pyridine];
- R-(-)-5'-(3-pyridylmethyl)aminospiro[1-azabicyclo[2.2.2]octane-3,2'-(3'H)-furo[2,3-b]pyridine][[, or]];
- R-(-)-5'-(4-pyridylmethyl)aminospiro[1-azabicyclo[2.2.2]octane-3,2'-(3'H)-furo[2,3-b]pyridine];
- R-(-)-5'-(2-furanylmethyl)aminospiro[1-azabicyclo[2.2.2]octane-3,2'-(3'II)-furo[2,3-b]pyridine];
- R-(-)·5'-(3-furanylmethyl)aminospiro[1-azabicyclo[2.2.2]octane-3,2'-(3'H)-furo[2,3-b]pyridine];
- R-(-)-5'-(2-thicnylmethyl) aminospiro [1-azabicyclo [2.2.2] octane-3,2'-(3'H)-fhro [2,3-b] pyridine];
- R-(-)-5'-(2-imidazolylmethyl)aminospiro[1-azabicyclo[2.2.2]octane-3,2'-(3'H)-furo[2,3-b]pyridine];
- R-(-)-5'-N-(3-pyridyl)aminospiro[1-azabicyclo[2.2.2]octane-3,2'(3'H)-furo[2,3-b]pyridine];
- R-(-)-5'-N-(3-thienylmethyl)aminospiro[1-azabicyclo[2,2,2]octane-3,2'-(3'H)-furo[2,3-b]pyridine];
- R-(-)-5'-N-(imidazol-4-ylmethyl)aminospiro[1-azabicyclo[2.2.2]octanc-3,2'-(3'II)-furo[2,3-b]pyridine];

R-(-)-5'-N-(thiazol-2-ylmethyl)aminospiro[1-azabicyclo[2.2.2]octanc-3,2'-(3'H)-furo[2,3-b]pyridine];

 $R-(-)-5'-N\cdot[trans-3-(4-pyridinyl)prop-2-enyl] aminospiro[1-azabicyclo[2,2,2]octanc-3,2'-(3'H)-furo[2,3-b]pyridine];$

 $R-(-)-5'-N-acetyl-N-(3-thicnylmethyl) aminospiro \cite{1-azabicyclo} \cite{2.2.2} octanc-3.2'-(3'II)-furo \cite{2.3-b} pyridine];$

R-(-)-5'-N-methyl-N-(4-pyridylmethyl)aminospito[1-azabicyclo[2.2.2]octane-3,2'-(3'H)-furo[2,3-b]pyridine], or

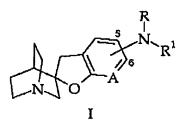
 $\label{eq:R-(-)-5'-N-methyl-N-(3-pyridylmethyl)aminospiro[1-azabicyclo[2,2,2]octanc-3,2'-(3'Fl)-furo[2,3-b]pyridine];$

or an enantiomer thereof, or a pharmaceutically-acceptable salt thereof.

Claim 62 (cancelled)

Claim 63 (previously presented)

A compound of formula I,



wherein

NRR is attached at the 5- or 6-position of the furopyridine ring;

R is hydrogen, C1-C4alkyl, or COR2;

R¹ is (CH₂)_nAr, CH₂CH=CHAr, or CH₂C≡CAr;

n is 0 to 3;

A is N:

Ar is an 8-, 9- or 10-membered fused aromatic or heteroaromatic ring system containing zero to four nitrogen atoms, zero to one oxygen atoms, and zero to one sulfur atoms which fused aromatic or heteroaromatic ring system is optionally substituted with one to two substitutents independently selected from: halogen, trifluoromethyl, or C_1 - C_4 alkyl;

 R^2 is hydrogen, C_1 - C_4 alkyl; C_1 - C_4 alkoxy; or a phenyl ring optionally substituted with one to three of the following substituents: halogen, C_1 - C_4 alkyl, C_2 - C_4 alkynyl, C_2 - C_4 alkynyl, OII, -OC₁- C_4 alkyl, -CO₂ R^5 , -CN, -NO₂, -NR³ R^4 , or -CF₃;

 R^3 , R^4 and R^5 are independently hydrogen; C_1 - C_4 alkyl; or a phenyl ring optionally substituted with one to three of the following substituents: halogen, C_1 - C_4 alkyl, C_2 - C_4 alkynyl, -O11, -OC1- C_4 alkyl, -CN, -NO2, or -CF3;

or an enantiomer thereof, or a pharmaceutically acceptable salt thereof.

Claim 64 (previously presented)

A compound according to claim 63, wherein R1 is

-CH₂CH=CHAr.

Claim 65 (previously presented)

A compound according to claim 63, wherein R1 is

-CH₂CH=CHAt.

Claim 66 (previously presented)

A compound according to claim 63, wherein R1 is

 $\neg (C\Pi_2)_0 Ar$,

Claim 67 (previously presented) A compound according to claim 63, said compound being: R-(-)-5'-N-(quinolin-3-ylmethyl)aminospiro[1-azabicyclo[2.2.2]octanc-3,2'-(3'H)-furo[2,3-b]pyridine];

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R-(-)-5'-N-(quinolin-4-ylmethyl)aminospiro[1-azabicyclo[2.2.2]octane-3,2'-(3'H)furo[2,3-b]pyridine], or

R-(-)-5'-N-(1,4-benzo dioxan-6-ylmethyl) aminospiro [1-azabicyclo [2.2.2] octane-3,2'-1,4'-benzo dioxan-6-ylmethyllo [2.2.2] octane-3,2'-1,4'-benzo dioxan-6-ylmethyllo [2.2.2] octane-3,2'-1,4'-benzo dioxan-6-ylmethyllo [2.2.2] octane-3,2'-1,4'-benzo dioxan-6-ylmethyllo [2.2.2] octane-3,2'-1,4'-benzo dioxan-6-ylmethyll(3'H)-furo[2,3-b]pyridine];

or an enantiomer thereof, or a pharmaceutically acceptable salt thereof.

Claim 68 (previously presented) A compound according to claim 63, wherein Ar is selected from 1-, or 2-naphthyl,

2-, 3-, 4-, 5-, 6-, 7-, or 8-quinolyl,

1-, 3-, 4-, 5-, 6-, 7-, or 8-isoquinolyl,

2-, 4-, 5-, 6-, or 7-benzoxazolyl, or

3-, 4-, 5-, 6-, or 7-benzisoxazolyl,

or an enantiomer thereof, or a pharmaceutically acceptable salt thereof,

Claim 69 (previously presented) A pharmaceutical composition comprising a compound according to claim 63, in admixture with an inert pharmaceutically-acceptable diluent or carrier.